

We Claim:

1. An isolated polynucleotide comprising a nucleotide sequence which hybridizes under stringent conditions to a sequence selected from the group consisting of SEQ ID NOS: 1-316.

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2. An isolated polynucleotide comprising at least 15 contiguous nucleotides of a nucleotide sequence having at least 90% sequence identity to a sequence selected from the group consisting of: SEQ ID NOS:1-316, a degenerate variant of SEQ ID NOS:1-316, an antisense of SEQ ID NOS:1-316, and a complement of SEQ ID NOS:1-316.

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3. A polynucleotide comprising a nucleotide sequence of an insert contained in a clone deposited as clone number xx of ATCC Deposit Number xx .

4. An isolated cDNA obtained by the process of amplification using a polynucleotide comprising at least 15 contiguous nucleotides of a nucleotide sequence of a sequence selected from the group consisting of SEQ ID NOS:1-316.

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5. The isolated cDNA of claim 4, wherein amplification is by polymerase chain reaction (PCR) amplification.

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6. An isolated recombinant host cell containing the polynucleotide according to claims 1, 2, 3, or 4.

7. An isolated vector comprising the polynucleotide according to claims 1, 2, 3, or 4.

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8. A method for producing a polypeptide, the method comprising the steps of:
culturing a recombinant host cell containing the polynucleotide according to claims 1, 2, 3, or 4, said culturing being under conditions suitable for the expression of an encoded polypeptide;
recovering the polypeptide from the host cell culture.

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9. An isolated polypeptide encoded by the polynucleotide according to claims 1, 2, 3, or 4.

10. An antibody that specifically binds the polypeptide of claim 9.

11. A method of detecting differentially expressed genes correlated with a cancerous state of a mammalian cell, the method comprising the step of:

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detecting at least one differentially expressed gene product in a test sample derived from a cell suspected of being cancerous, where the gene product is encoded by a gene comprising an identifying sequence of at least one of SEQ ID NOS:1-316;

5 wherein detection of the differentially expressed gene product is correlated with a cancerous state of the cell from which the test sample was derived.

12. A library of polynucleotides, wherein at least one of the polynucleotides comprises the sequence information of the polynucleotide according to claims 1, 2, 3, or 4

10 13. The library of claim 12, wherein the library is provided on a nucleic acid array.

14. The library of claim 12, wherein the library is provided in a computer-readable format.

15 15. A method of inhibiting tumor growth by modulating expression of a gene product, the gene product being encoded by a gene identified by a sequence selected from the group consisting of SEQ ID NOS:1-316.